C1

1. (Amended) An alloy which comprises:

Si : 6.5 - 7.5 wt%

Fe: up to 0.20 wt%

Cu : up to 0.05 wt%

Mn : up to 0.05 wt%

Mg : 0.40 to 0.45 wt%

Zn : up to 0.05 wt%

Ti : up to 0.20 wt%

and the balance Al and other components, wherein said other components comprise a total of not more than 0.15 wt% of said alloy and any single component of said other components does not exceed 0.05 wt% of said alloy, the alloy having a microstructure which includes a primary aluminum-containing matrix and one or more iron-containing phases dispersed in the matrix, wherein the sole or predominant iron-containing phase is β phase that has formed as a transformation product of phase and wherein the matrix has a dendrite arm spacing of between 10 and 45 μm.

C2

5. (Amended) A method for manufacturing an alloy article comprising the steps of:

(a) providing a melt having a composition of:

Si : 6.5 - 7.5 wt%

Fe: up to 0.20 wt%

Cu : up to 0.05 wt%

Mn: up to 0.05 wt%

Mg : 0.40 to 0.45 wt%

Zn: up to 0.05 wt%

Ti : up to 0.20 wt%

and the balance Al and other components, said other components comprising a total of not more than 0.15 wt% of said alloy and any single component of said other components not exceeding 0.05 wt% of said alloy,

(b) casting said melt and solidifying a casting at a cooling rate that produces a microstructure of an aluminum-containing matrix and π and β iron-containing phases dispersed in the matrix, wherein the cooling rate on solidification is sufficient to produce a dendrite arm spacing in the matrix of between 10 and 45 μm;

(c) solution heat treating the casting to at least partially transform Π phase to β phase; and

(d ) quenching the casting to form the alloy article.

C2